



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

D4305-041
Job Sheet 173394



Part No: D4305-041

Job Qty: 4 ea

Part Name: Shoulder Harness Assembly



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 3/1/18

Job Tracking No:

Due Date: 3/28/18

Created By: Chantal Lavoie

Type: Stock

Description:

Note: DWG REV E SHEET 1 IPP Rev:A 11.03.01 new issue DD verf:EC IPP REV:B 13.04.08 AS PER DWG REV.D DD VERF:JLM

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
100	Purchasing	4 pcs		3/28/18	0.00	0.00	Purchasing		At 17/03/18
110	Packaging	4 pcs		3/28/18	0.00	0.00	Packaging2		At 18/03/18
120	QC	4 pcs		3/28/18	0.00	0.00	QC6		11 MAR 29 2018
130	Packaging	4 pcs		3/28/18	0.00	0.00	Packaging3-2	469	9-89
140	QC21-SA	4 Ea		3/28/18	0.00	0.00	QC21		APR 02 2018

Part Op Descriptions: **100** - Issue P/O: 039159 Supplier: AMSAFE inc. P#4181-2-191-2396

MAR 01 2018

1008

DAS
21
9-89

APR 02 2018

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
4181-2-191-2396	Shoulder Harness W/ Buckle Assembly D4305-041	4 pcs (1 ea)	100-Purchasing	5055570

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
100-Purchasing	4181-2-191-2396	4	0	0

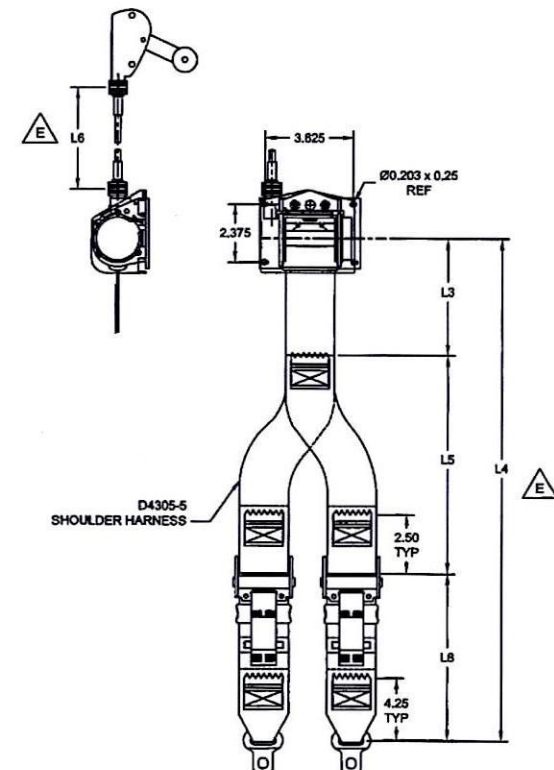
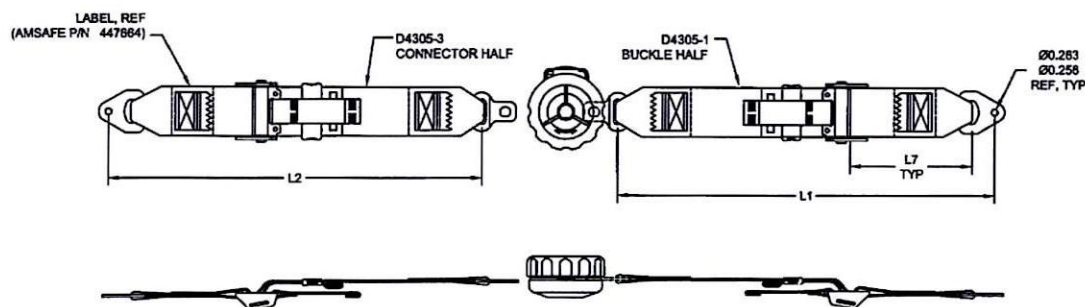
Part Specifications

Specifications could not be found.

Plex 3/1/18 1:31 PM dart.lavoie.chantal

SPECIFICATION CONTROL DRAWING

DART P/N	VENDOR P/N	DESCRIPTION	VENDOR	L1	L2	L3	L4	L5	L6	L7	L8
D4305-1	4181-2011912396	BUCKLE HALF	AMSAFE	30.00						5.50	
D4305-3	4181-2031912396	CONNECTOR HALF	AMSAFE		30.00					5.50	
D4305-5	4181-2071912396	SHOULDER HARNESS	AMSAFE			40.00	103.00	41.00	22.00		4.00-22.00



NOTES:

- 1) PURCHASE: AMSAFE INC. P/N: 4181-2-191-2396
4 POINT SHOULDER HARNESS WITH BUCKLE ASSEMBLY
MEETS REQUIREMENTS OF TSO-C114
CHROME HARDWARE PLATING AND BLACK WEBBING
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: USE PLASTIC ENGRAVED TAGS AND LABEL PER FAR 21.607
TO CONTAIN THE FOLLOWING AT MINIMUM:
MANUFACTURER P/N. 4181-2-191-2396
CUST P/N: D4305-041
RATED: 3000 LBS DATE OF MFG
CONFORMS TO FAA TSO-C114
- 7) WEIGHT: 3.4 lbs

D4305-041 SHOULDER HARNESS

RELEASED
2017-03-06
ECN 17-533

E	ADD D4305-045, REF. NCR15-4642, REVISE DIMENSIONS TO BE SIMILAR TO AMSAFE DRAWING	VS	15.07.06
D	ADD D4305-043, REF. PAR12-288	SFM	13.01.21
C	5.50 WAS 4.00, L3 WAS 49.00, L4 WAS 4.00 - 26.00	RP	12.07.03
B	REVERSED ORIENTATION OF ADJUSTER ASSEMBLIES ON D4305-1 AND D4305-3. L1 & L2 WERE 24.00. L4 REDEFINED, L3 WAS L5 AND WAS 18.00. L6 ADDED. L5 WAS L6 AND WAS 30.00. UPDATE AMSAFE PART NUMBERS.	RP	12.05.25
A	NEW ISSUE	RF	10.11.26
REV.	DESCRIPTION	BY	DATE
DESIGN	RF		
DRAWN	VS		
CHECKED	RF		
MFG. APPR.	LL		
APPROVED	HS		
DE APPR.	HS		
DATE	15.07.06		

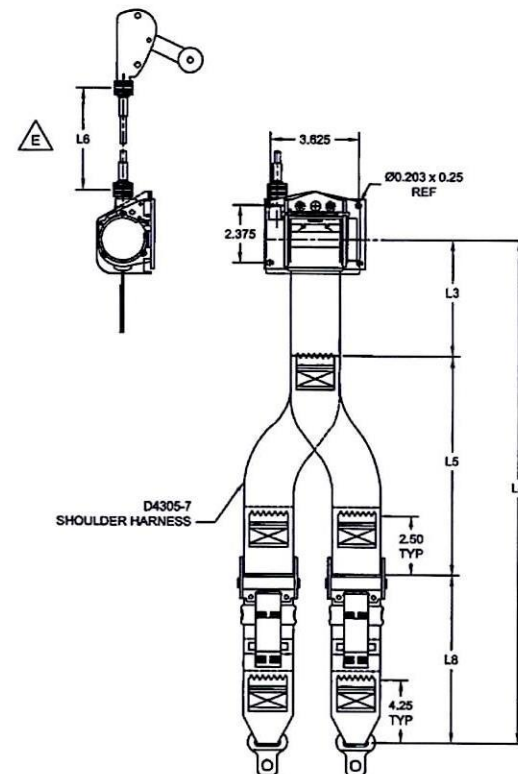
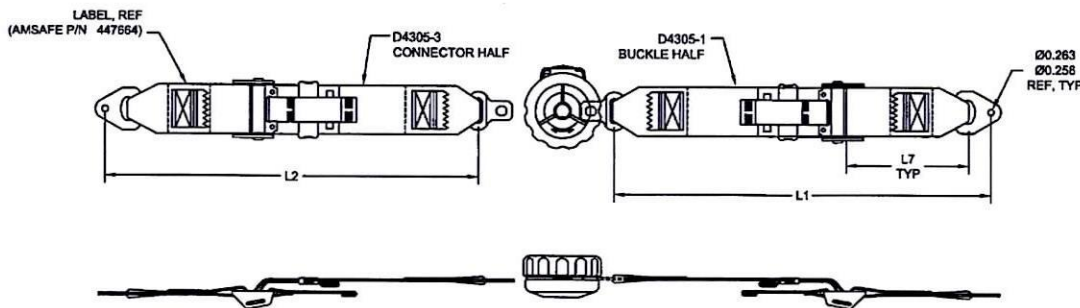
DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA

DRAWING NO. REV. E
DSC-D4305 SHEET 1 OF 3
TITLE SCALE
SHOULDER HARNESS NTS

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SPECIFICATION CONTROL DRAWING

DART P/N	VENDOR P/N	DESCRIPTION	VENDOR	L1	L2	L3	L4	L5	L6	L7	L8
D4305-1	4181-2011912396	BUCKLE HALF	AMSAFE	30.00						5.50	
D4305-3	4181-2031912396	CONNECTOR HALF	AMSAFE		30.00					5.50	
D4305-7	4181-2072012396	SHOULDER HARNESS	AMSAFE			40.00	103.00	41.00	30.00		4.00-22.00



NOTES:

- 1) PURCHASE: AMSAFE INC. P/N: 4181-2-201-2396
4 POINT SHOULDER HARNESS WITH BUCKLE ASSEMBLY
MEETS REQUIREMENTS OF TSO-C114
CHROME HARDWARE PLATING AND BLACK WEBBING
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: USE PLASTIC ENGRAVED TAGS AND LABEL PER FAR 21.607
TO CONTAIN THE FOLLOWING AT MINIMUM:
MANUFACTURER P/N. 4181-2-201-2396
CUST P/N: D4305-043
RATED: 3000 LBS DATE OF MFG
CONFORMS TO FAA TSO-C114
- 7) WEIGHT: 3.4 lbs

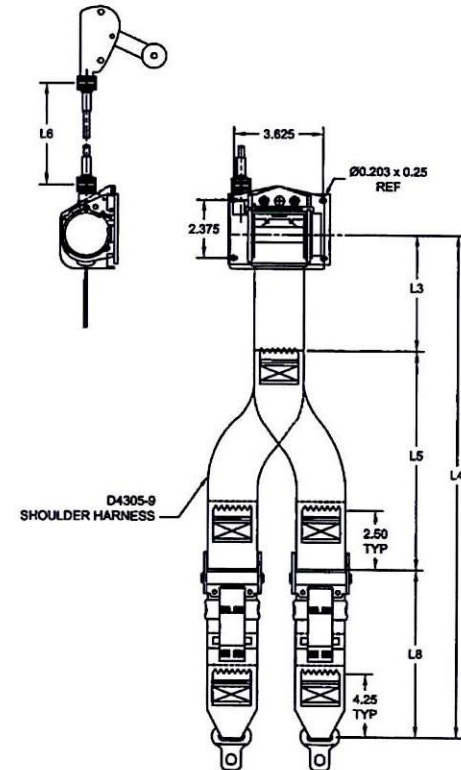
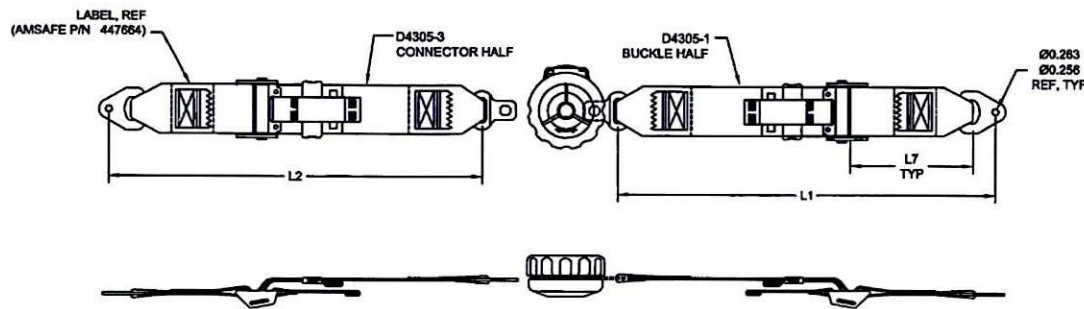
D4305-043 SHOULDER HARNESS

RELEASED
2017-03-06

DESIGN	RF	DART AEROSPACE LTD	
DRAWN	VS	HAWKESBURY, ONTARIO, CANADA	
CHECKED	RF	DRAWING NO.	REV. E
MFG. APPR.	LL	DSC-D4305	SHEET 2 OF 3
APPROVED	HS	TITLE	SCALE
DE APPR.	HS	SHOULDER HARNESS	NTS
DATE	15.07.06	COPYRIGHT © 2019 BY DART AEROSPACE LTD THIS DOCUMENT IS PRELIMINARY AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

SPECIFICATION CONTROL DRAWING

DART P/N	VENDOR P/N	DESCRIPTION	VENDOR	L1	L2	L3	L4	L5	L6	L7	L8
D4305-1	4181-2011912396	BUCKLE HALF	AMSAFE	30.00						5.50	
D4305-3	4181-2031912396	CONNECTOR HALF	AMSAFE		30.00					5.50	
D4305-9	4181-2072112396	SHOULDER HARNESS	AMSAFE			40.00	84.00	18.00	30.00		4.00-27.00



NOTES:

- 1) PURCHASE: AMSAFE INC. P/N: 4181-2-211-2396
4 POINT SHOULDER HARNESS WITH BUCKLE ASSEMBLY
MEETS REQUIREMENTS OF TSO-C114
CHROME HARDWARE PLATING AND BLACK WEBBING
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: USE PLASTIC ENGRAVED TAGS AND LABEL PER FAR 21.607
TO CONTAIN THE FOLLOWING AT MINIMUM:
MANUFACTURER P/N. 4181-2-211-2396
CUST P/N: D4305-045
RATED: 3000 LBS DATE OF MFG
CONFORMS TO FAA TSO-C114
- 7) WEIGHT: 3.4 lbs

D4305-045 SHOULDER HARNESS

RELEASED
2017-03-06

DESIGN	RF	DART AEROSPACE LTD	
DRAWN	VS	HAWKESBURY, ONTARIO, CANADA	
CHECKED	RF	DRAWING NO.	REV. E
MFG. APPR.	LL	DSC-D4305	SHEET 3 OF 3
APPROVED	HS	TITLE	SCALE
DE APPR.		SHOULDER HARNESS	NTS
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Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **PO039159**

Supplier: AMS002-VU
Amsafe Inc.
1043 North 47th Avenue
Phoenix, AZ 85043 USA
Phone: 602 850 2850
Fax: 602-278-3479

PO No: PO039159

PO Date: 3/1/18

Due Date: 3/28/18

**Purchase Order
Revision:**

Revision Date:

Ship-To Contact: Baker, Diane
dbaker@dartaero.com

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground

Pymt Terms: Net 30

Freight Terms:

Special Comments:

REVISED

\$

E-MAILED

MAR 08 2018

Items

Line Item	Part	Supplier Part No	Item No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
1	4192-1-021-2396			Harness Assembly D4387-041 As Per Dwg DSC-D4387 Rev. D	Firmed	3/28/18	6 pcs	0 pcs	6 pcs	\$316.55/pcs	\$1,899.30
Line Item Note job# 173383											
2	3221-1-011-2396			Shoulder Harness D4088-041 As per Dwg D4088 Rev. B	Firmed	3/28/18	12 pcs	0 pcs	12 pcs	\$367.36/pcs	\$4,408.32
Line Item Note job# 173385											
3	4147-2-041-2396			Shoulder Harness, 4 Point D4071-041 As per Dwg D4071 Rev. A	Firmed	3/28/18	4 pcs	0 pcs	4 pcs	\$388.09/pcs	\$1,552.36
Line Item Note job# 173387											
4	3221-1-021-2396			Shoulder Harness D4088-043 As per Dwg 4088 Rev. B	Firmed	3/28/18	5 pcs	0 pcs	5 pcs	\$367.36/pcs	\$1,836.80
Line Item Note job# 173386											
5	4181-2-191-2396			Shoulder Harness W/ Buckle Assembly D4305-041 As Per Dwg DSC-D4305 Rev. E	Firmed	3/28/18	4 pcs	0 pcs	4 pcs	\$860.46/pcs	\$3,441.84
Line Item Note job# 173394											
6	D3636-041P			Shoulder Harness As per Dwg D3636-041 Rev.B AMSAFE PART # 3104-1-061-2396	Firmed	3/28/18	12 pcs	0 pcs	12 pcs	\$417.37/pcs	\$5,008.44
Line Item Note job# 173395											

Grand Total: \$18,147.06

Order Notes

Plex 3/5/18 7:14 AM dart.lavoie.chanta



- *Conforms to all applicable drawing dimensions and specifications.
- *(If applicable) Meets the requirements of FAR 25.853 (a) Compartment Interiors.
- *(If applicable) Conforms to British CAA specifications.
- *(If applicable) All parts/materials are certified new, conform to the design data, and are in airworthy condition.
- *Meets all the requirements of TSO-C114.
- *The parts/materials reflected herein were produced under a FAA approved Manufacturing and Quality Assurance system/methods as set in FAR Part 21 Sub-Part O, Para. 21.601.
- *The conditions and tests required for TSO approval of this article are minimum performance standards.
- *It is the responsibility of those installing this article either on or within a specific type or class of aircraft to determine that the aircraft installation conditions are within the TSO standard.
- *TSO articles must have separate approval for installation in an aircraft. The article may be installed only if performed under 14 CFR part 43 or applicable airworthiness requirements.
- *For the latest copy of the CMM/SMM, please log onto www.amsafeaviation.com

SALES ORDER NO. S379361

Line	Purchase Order No.	Am-safe Part No.	Rev.	Lot No.	Customer Part No.	Dated Code	Quantity
5	PO039159	4181-2-191-2396	T	NIA	NONE	A0318	4

PLEASE DELIVER TO THE QUALITY ASSURANCE DEPARTMENT

NEW

Alejandra Carrasco
QUALITY ASSURANCE REPRESENTATIVE

3/20/18
DATE

CUSTOMER

1. Approving Civil Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: S379361 - 5 - <i>HG</i>	
4. Organization Name and Address: AmSafe, Inc. 1043 North 47th Avenue Phoenix, Arizona 85043		Cert. No. PT1967NM			5. Work order/Contract/Invoice Number: S379361 - 5 <i>0</i> PAGES ATTACHED	
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:	
1	REST SYS ASSY W/IR	4181-2-191-2396	4	<i>N/A</i>	NEW	
12. Remarks: Drawing: 4181 Rev: T TSO: TSO-C114 DATE CODE: <i>A0318</i>						
13a. Certifies the items identified above were manufactured in conformity to: ☒ Approved design data and are in a condition for safe operation ☐ Non-approved design data specified in Block 12.			14a. ☐ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.			
13b. Authorized Signature: 		13c. Approval/Authorization No.: ODA602112NM		14b. Authorized Signature 		14c. Authorized/Certificate No.
13d. Name (typed or printed) HOPE GONZALEZ		13e. Date (dd/mmm/yyyy): <i>21/MAR/2018</i>		14d. Names (typed or printed) 		14e. Date (dd/mmm/yyyy):
User/Installer Responsibilities						
It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1. Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.						